

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Name of product WSW SAC M1

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Identified uses

#### Sector of uses [SU]

Soldering Material

### 1.3. Details of the supplier of the safety data sheet

#### Distributor

Weller Tools GmbH  
Carl-Benz-Str. 2, DE-74354 Besigheim-Ottmarsheim  
Postbox 1351, DE-74351 Besigheim-Ottmarsheim  
Phone : +49 7143 580 0, Fax : +49 7143 580 108  
Internet : [www.weller-tools.com](http://www.weller-tools.com)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to 67/548/EEC or 1999/45/EC

R42/43

#### R-phrases

42/43 May cause sensitization by inhalation and skin contact.

#### Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Resp. Sens. 1	H334	
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Skin Sens. 1	H317	
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#### Hazard statements for health hazards

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

## 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS07



GHS08

### Signal word

Danger

### Hazard statements for health hazards

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### Precautionary Statements

#### Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P285 In case of inadequate ventilation wear respiratory protection.

#### Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P341 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

#### Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

### Supplemental Hazard information (EU)

#### Health properties

Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

#### Adverse physicochemical effects

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

#### Adverse human health effects and symptoms

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

May cause sensitization in susceptible people.

Inhalation of dust may cause irritation of the respiratory system.

#### Other adverse effects

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

Process vapours can irritate airways, skin and eyes.

### Information pertaining to special dangers for human and environment

Harmful by inhalation, in contact with skin and if swallowed.

## SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
8050-09-7	232-475-7	colophony	2,3 - 3,7	R43
7440-22-4	231-131-3	silver, metallic	2,8 - 3,2	

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
8050-09-7	232-475-7	colophony	2,3 - 3,7	Skin Sens. 1, H317
7440-22-4	231-131-3	silver, metallic	2,8 - 3,2	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.

In case of allergic reactions, specially at respiratory tract, seek medical treatment immediately.

#### In case of inhalation

Remove the casualty into fresh air and keep him immobile.

If intensive inhalation of fumes seek medical treatment immediately.

#### In case of skin contact

In case of contact with skin wash off immediately with plenty of water.

Consult a doctor if skin irritation persists.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

Rinse out mouth and give plenty of water to drink.

Induce vomiting if patient is conscious, seek medical advice.

### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

No information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Fire-extinguishing activities according to surrounding.

Foam

Dry fire-extinguishing substance

Dry powder

Carbon dioxide  
sand

**Unsuitable extinguishing media**  
water

## 5.2. Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

## 5.3. Advice for firefighters

### Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.  
Do not inhale explosion and/or combustion gases.

### Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.  
Use breathing apparatus if exposed to vapours/dust/aerosol.  
Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.

### 6.2. Environmental precautions

Do not discharge into the drains or bodies of water..  
Do not discharge into the drains/surface waters/groundwater.  
Do not discharge into the subsoil/soil.

### 6.3. Methods and material for containment and cleaning up

Send in suitable containers for recovery or disposal.

#### Additional Information

Informations for safe handling see chapter 7.  
Informations for personal protective equipment see chapter 8.  
Informations for disposal see chapter 13.

### 6.4. Reference to other sections

No information available.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.  
Use only in well-ventilated areas.

#### General protective measures

Avoid contact with eyes and skin  
Do not inhale gases/vapours/aerosols.

#### Hygiene measures

At work do not eat, drink, smoke or take drugs.  
Keep separated from food and feed.

Wash hands and skin before breaks and after work.

**Advice on protection against fire and explosion**

The product is not combustible.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Ventilate store-rooms thoroughly.

Keep only in original container.

**Advice on storage compatibility**

Do not store together with food.

Store at cool and aired place and at distance to acids and alkalies.

**Further information on storage conditions**

Store at cool and aired place.

**Information on storage stability**

Storage time: 24 months.

**7.3. Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)**

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
7440-22-4	silver, metallic	8 hours	0,1		

**8.2. Exposure controls**

**Respiratory protection**

In case of insufficient ventilation or long-term effect use breathing apparatus.

Breathing apparatus

**Hand protection**

PVC gloves

Neoprene gloves

**Eye protection**

tightly fitting goggles

**Skin protection**

protective clothing

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Form**

solid

**Colour**

silver-grey

**Odour**

odourless

## Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>melting range</b>	217 - 221 °C				
<b>Flash point</b>	no				
<b>Ignition temperature</b>	no				
<b>Vapour pressure</b>	< 0,1 mbar	20 °C			
<b>Relative density</b>	7,4 g/cm <sup>3</sup>	20 °C			
<b>Vapour density</b>	6	20 °C			
<b>Solubility in water</b>					insoluble
<b>Viscosity</b>	not determined				

### Explosive properties

no

### 9.2. Other information

No information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

not determined

### 10.5. Incompatible materials

#### Materials to avoid

Reactions with acids and strong oxidising agents.

### 10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Toxic metal compounds

Irritant gases/vapours

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
<b>Irritability skin</b>	irritant			
<b>Irritability eye</b>	irritant			
<b>Skin sensitization</b>	sensitizing			

## SECTION 12: Ecological information

### 12.1. Toxicity

No information available.

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>				not readily degradable

### 12.3. Bioaccumulative potential

Because of its consistency the product cannot be dispersed in the environment. Adverse ecological effects are therefore unlikely on the basis of current knowledge.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

#### General regulation

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Recommendations for the product

Collect waste separated in suitable, labeled and lockable containers.  
Remove in accordance with local official regulations.

#### Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

## SECTION 14: Transport information

### Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

### Special precautions for user

No information available.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
No information available.

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## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No information available.

**15.2. Chemical Safety Assessment**  
No information available.

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## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

### Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 43 May cause sensitisation by skin contact.

H317 May cause an allergic skin reaction.